OK

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| done SPot | | |
| ] Compound wall | | |

First & Final Bill

SBR NO-26/15-16
Dt: 30-4-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259032

Serial No. .....

Name of Work Asphalting to Roads in Bloomfield and Bluemoon garden in ward no-10: Doddabommasandra. From ..... To .....

Name of Contractor of nature of Agency ..... Sri. P. Vijaya Babu. (Nandi Enterprises)

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Work code NO: 010-12-000036. | | | | | | |
| | Agreement NO:- 288. | Dated | 03-02-2015. | | | | |
| | Work order NO:- EE/BTP/BBMP/E-PMT/283/2014-15. | Date -03-02-2015. | | | | | |
| | Address of Agency:- #1504, 4th 'C' Main, 2nd Stage, WOC road, Bangalore-86. | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Measurement Recorded on 03-02-2015 | | | | | | |
| | 1) Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift 0.5m excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and directions of engineer | | | | | | |
| | | 2 | 30.00 | 0.60 | 0.45 = | 16.20 cum | |
| | | 2 | 30.00 | 0.60 | 0.80 = | 18.00 cum | |
| | | 2 | 30.00 | 0.60 | 0.45 = | 16.20 cum | |
| | | 2 | 30.00 | 0.60 | 0.50 = | 18.00 cum | |
| | | 2 | 30.00 | 0.60 | 0.55 = | 19.80 cum | |
| | | 2 | 30.00 | 0.60 | 0.50 = | 18.00 cum | |
| | | | | | Total = | 106.20 cum | |
| | | | | | Qty limited to Tender = | 105.00 cum | |
| | @ Rs 85.00 | | | | | Rs | 8925.00 |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | N |
|---|---|---|
| 1 | 2 | |
| | 2) Scarifying existing stone bituminous surface, pick Serviceable materials Salvaged aggregates wi -n as per water bound | |

OOK

| h | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|
| TS | | | |
| | | ordinary soil including an | |
| | | and an average lift 0.5m | |
| | | eatly dressed, the disposed | |
| | | ng of Leads compress as per | |
| | | 0.45 = 16.20 cum | |
| | | 0.50 = 18.00 cum | |
| | | 0.45 = 16.20 cum | |
| | | 0.50 = 18.00 cum | |
| | | 0.55 = 19.80 cum | |
| | | 0.50 = 18.00 cum | |
| | | Total = 106.20 cum | |
| | | nder = 105.00 cum | |
| | | Rs 8925.00 | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259033

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | 9) Scarifying existing Stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared, base and consolidation as per water bound macadam. | | | | | | |
| | | 1 | 30.00 (5.4+5.10)/2 | | | = 157.50 Sqm | |
| | | 1 | 30.00 (5.10+5.0)/2 | | | = 151.50 Sqm | |
| | | 1 | 30.00 (5.0+4.90)/2 | | | = 163.50 Sqm / 148.50 | |
| | | 1 | 30.00 (4.9+4.90)/2 | | | = 147.00 Sqm | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | L | $30.00\left(\frac{4.8+5.10}{2}\right)$ | | | = 150.00 Sqm | |
| | | L | $30.00\left(\frac{5.10+5.20}{2}\right)$ | | | = 156.00 Sqm | |
| | | L | $18.00\left(\frac{5.3+5.6}{2}\right)$ | | | = 99.25 Sqm | |
| | | | | | | Total = 1002.75 Sqm | |
| | | Qty limited to Tender | | | | = 1000.00 Sqm | |
| | | @ Rs 85.00 | | | | | Rs 85000.00 |

3) Providing, laying, Spreading and compacting grade stone aggregate to wet mix macadam specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |

BOOK

| ns Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|
| +5.10) / 2 | = | 150.00 Sqm | |
| +5.30) / 2 | = | 156.00 Sqm | |
| +5.6) / 2 | = | 95.10 Sqm | |
| | Total = | 1002.75 Sqm | |
| Tender | = | 1000.00 Sqm | |
| | | RS 85000.00 | |

ng grade stone aggregate
cluding premixing the materials
ox plant carriage of mixed
oform layers with paver in
reed surface and compacting

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259034

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | 1 | 30.00 | (5.4+5.10)/2 | 0.15 | = 23.63 Cum | |
| | | 1 | 30.00 | (5.10+5.0)/2 | 0.15 | = 22.73 Cum | |
| | | 1 | 30.00 | (5.00+4.90)/2 | 0.15 | = 24.53 Cum | |
| | | 1 | 30.00 | (4.9+4.90)/2 | 0.15 | = 22.05 Cum | |
| | | 1 | 30.00 | (4.9+5.10)/2 | 0.15 | = 22.50 Cum | |
| | | 1 | 30.00 | (5.10+5.30)/2 | 0.15 | = 23.40 Cum | |
| | | 1 | 18.00 | (5.3+5.6)/2 | 0.15 | = 14.59 Cum | |
| | | | | | Total = | 150.41 Cum | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Qty limited to Tender = 150.00 cum | | | | | |
| | | @ Rs 1200.00 | | | | Rs 180000.00 | |
| | 4) Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picky sweeping with brooms or soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials. | | | | | | |
| | | L | $30.00\left(\frac{5.4+5.10}{2}\right)$ | | | = 157.50 Sqm | |
| | | L | $30.00\left(\frac{5.10+5.0}{2}\right)$ | | | = 151.50 Sqm | |
| | | L | $30.00\left(\frac{5.0+4.90}{2}\right)$ | | | = 103.50 Sqm / 48.50 | |
| | | L | $30.00\left(\frac{4.9+4.90}{2}\right)$ | | | = 147.00 Sqm | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | |

K

| epth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| nder = | 150.00 Sqm | |
| | Rs 180000.00 | |
| ng removing of binding brushes and small pick nally dusting with old bituminous treatment | | |
| ) = | 157.50 Sqm | |
| = | 151.50 Sqm | |
| ) = | 103.50 Sqm / 45-50 | |
| 0) = | 147.00 Sqm | |

M. A. R. 57 (Rule 116)
Measurement Book

**No. B**

259035

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | 1 | 30.00 (4.9+5.10)/2 | | = | 150.00 Sqm | |
| | | 1 | 30.00 (5.10+5.20)/2 | | = | 156.00 Sqm | |
| | | 1 | 18.00 (5.3+5.6)/2 | | = | 99.25 Sqm 98.75 / 25-10 | |
| | | | | | Total = | 1002.75 Sqm / 1008-60 | |
| | | Qty limited to Tender = | | | | 1000.00 Sqm | |
| | | @ Rs 12.00 | | | | Rs 12000.00 | 11853-00 |

# MEASUREMENT BOOK

| Date | Full description, etc. of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 5) providing and applying primer coat from 12.2 to 14.6kg per 1000sqm for surface of high porosity over prepared surface of granular base with cut back M.C-70 or any other bitumen mixed with diesel at 13kg per 1000sqm heated in bitumen boiler fitted with spray set including cost of all materials, labour. | | | | | | |
| | Qty vide Item no- 4 | | | | | = 1000.00 Sqm | |
| | @ RS 74.00 | | | | | | RS 74000.00 |
| | 6) providing and laying semidense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75tonns per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix season control to the required grade level and alignment | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of natur
Date of commencement of w

| Date | Full description, e |
|---|---|
| 1 | 2 |

ok

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| | to 14·6kg per 100sqm for fall of granular base mixed with diesel at ed with spray set | |
| | = 1000·00 Sqm | 987-25 |
| | RS 74000·00 | 73094·00 |
| | crete 25mm thick with verage output of 75tonn grading, premixed with ller, transporting the hot nd alignment | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259036

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | 1 | 30·00 (5·4+5·10)/2 | | 0·025 = | 3·94 cum | |
| | | 1 | 30·00 (5·10+5·00)/2 | | 0·025 = | 3·79 cum | |
| | | 1 | 30·00 (5·00+4·90)/2 | | 0·025 = | 4·09 cum | |
| | | 1 | 30·00 (4·9+4·90)/2 | | 0·025 = | 3·68 cum | |
| | | 1 | 30·00 (4·9+5·10)/2 | | 0·025 = | 3·75 cum | |
| | | 1 | 30·00 (5·10+5·30)/2 | | 0·025 = | 3·90 cum | |
| | | 1 | 22·00 (5·3+5·6)/2 | | 0·025 = | 2·93 cum | |
| | | Brought | | | Total = | 25·07 cum | |

26-08

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Qty limited to Tender = 25.00 Cum @ Rs 1107.00 | | | | | Rs 27675.00 |
| 7) | Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc | | | | | | |
| | 12th cross Nanjappa Layout 2.H.S | 1 | 30.00 | 1.00 | 0.90 | = 27.00 Cum | |
| | | 1 | 30.00 | 1.00 | 0.90 | = 27.00 Cum | |
| | | 1 | 30.00 | 1.00 | 0.90 | = 27.00 Cum | |
| | | 1 | 9.20 | 1.00 | 0.90 | = 8.28 Cum | |
| | 11th cross Nanjappa Layout L.H.S | 1 | 30.00 | 1.00 | 0.90 | = 27.00 Cum | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Nu |
|---|---|---|
| 1 | 2 | |
| 8) | Providing and laying in | |
| | OPC cement @ 180kgs using Gr | |
| | aggregates @ 0.85 Cum and | |
| | laid in layers not exceeding | |
| | Plinth, including cost of | |

OOK

| dth | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|
| ender = | | 25.00 cum | |
| | | RS 27 6750.00 | |
| n hard soil involving an and an average lift upto 0.5m dly dressed, the dis posed earth cing etc | | | |
| 00 | 0.90 = | 27.00 cum | |
| 00 | 0.90 = | 27.00 cum | |
| 00 | 0.90 = | 27.00 cum | |
| 00 | 0.90 = | 8.28 cum | |
| 00 | 0.90 = | 27.00 cum | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259037

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | 1 | 30.00 | 1.00 | 0.90 = | 27.00 cum | |
| | | 1 | 34.80 | 1.00 | 0.90 = | 31.32 cum | |
| | | | | | Total = | 174.60 cum | |
| | | Qty limited to Tender | | | = | 173.70 cum | |
| | | @ RS 110.00 | | | | RS 19107.00 | |
| 8) | Providing and laying in position plain cement concrete of mix M7.5 with opc cement @ 180kgs using 40mm and down size graded granite metal, coarse aggregates @ 0.85cum and fine aggregates @ 0.58cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted in foundation and plinth, including cost of all materials | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | Total = 465.60 Sqm | |
| | | Qty limited to Tender = 463.20 Sqm | | | | | |
| | | @ Rs 292.00 | | | | | |
| | | | | | | Rs 135254.00 | |
| | 10) providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregate machine mixed, for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, curing etc complete as per specifications | | | | | | |
| | Bottom | | | | | | |
| | 12th cross Nanjappa Layout R.H.S | 1 | 30.00 | 0.80 | 0.15 = | 4.05 Cum | |
| | | 1 | 30.00 | 0.80 | 0.15 = | 4.05 Cum | |

M. A.
Mea

Serial No. .....
Name of Work ..... From..
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Number |
|---|---|---|
| 1 | 2 | 3 |
| | | 1 |
| | 11th Cross Nanjappa Layout | 1 |
| | R.H.S | 1 |
| | | 1 |
| | Side wall | 1 |
| | 12th Cross Nanjappa Layout | 2 |
| | R.H.S | 2 |
| | | 2 |
| | 11th Cross Nanjappa Layout | 2 |
| | R.H.S | 2 |

BOOK

| ons | | Contents | Reference to last Measurement |
|---|---|---|---|
| readth 5 | Depth 6 | 7 | 8 |
| | Total = 465.60 Sqm | | |
| Tender = | 463.20 Sqm | | |
| | | RS 135254.00 | |
| ed cement concrete of design | | | |
| th 20mm and down size graded | | | |
| 878 cum and fine aggregate | | | |
| dation plinth and ground floor | | | |
| etaing walls, return walls, | | | |
| ) | | | |
| .90 | 0.15 = | 4.05 Cum | |
| .80 | 0.15 = | 4.05 Cum | |

M. A. R. 57 (Rule 116)
Measurement Book

**No. B**

259039

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 11th Cross Nanjappa Layout R.H.S | 1 | 30.00 | 0.90 | 0.15 = | 4.05 Cum | |
| | | 1 | 9.20 | 0.90 | 0.15 = | 1.24 Cum | |
| | | 1 | 30.00 | 0.90 | 0.15 = | 4.05 Cum | |
| | | 1 | 30.00 | 0.90 | 0.15 = | 4.05 Cum | |
| | | 1 | 34.80 | 0.90 | 0.15 = | 4.70 Cum | |
| | Side wall | | | | | | |
| | 12th Cross Nanjappa Layout R.H.S | 2 | 30.00 | 0.15 | 0.60 = | 5.40 Cum | |
| | | 2 | 30.00 | 0.15 | 0.65 = | 5.85 Cum | |
| | | 2 | 30.00 | 0.15 | 0.60 = | 5.40 Cum | |
| | 11th Cross Nanjappa Layout R.H.S | 2 | 9.20 | 0.15 | 0.60 = | 1.66 Cum | |
| | | 2 | 30.00 | 0.15 | 0.65 = | 5.85 Cum | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | 2 | 30.00 | 0.15 | 0.60 | = 5.40 Cum | |
| | | 2 | 34.80 | 0.15 | 0.50 | = 5.22 Cum | |
| | | | | | Total | = 60.97 Cum | |
| | | Qty limited to tender = 60.80 Cum | | | | | |
| | | @ Rs 6000.00 | | | | Rs 364800.00 | |
| | 1(c) Providing TMT Steel reinforcement for R.C.C work including Straighten cutting, bending, hooking, Placing in position lapping/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design. | | | | | | |
| | Qty vide Page No - 259092 | | | | | | |
| | of this M.B No - 2591 | | | | | = 36.48 Qt | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | (2) Providing granite slabs ... cement mortar (1:6) in ... complete as per specific... 12th Cross Nanjappa Layout |
| | R.H.S |
| | 14th Cross Narasappa Layout |
| | R.H.S |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | cc/c | | | | Total Rs 1880438.00 | |
| | | Survey | | | | Zadhav | |
| | | | 27/4 | | | AE 27/4/2015 | |
| | | ಜೆ.ಇ.ಒ. | | | | | |
| | Certificate:- | | | | | | |
| | Certified that the above work done satisfactory and no materials issued from departmentally. | | | | | | |
| | Zadhav | | | | | | |
| | AE 27/4/2015. | | | | | | |
| | | Survey | | | | | |
| | | | 27/4 | | | | |
| | | ಜೆ.ಇ.ಒ. | | | | | |

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date | Full description, etc, of work | Numb |
|---|---|---|
| 1 | 2 | 3 |
| | Sketch Showing the | |
| | DB Nandra Main Road | |
| | 150.00m | |
| | Nanjappa circle | Zadhav AE |

| | Contents | Reference to last Measurement |
|---|---|---|
| | 7 | |
| Total RS | 1880438.00 | |

Jadhav
AE 27/4/2015

satisfactory and
n-tory.

27/4

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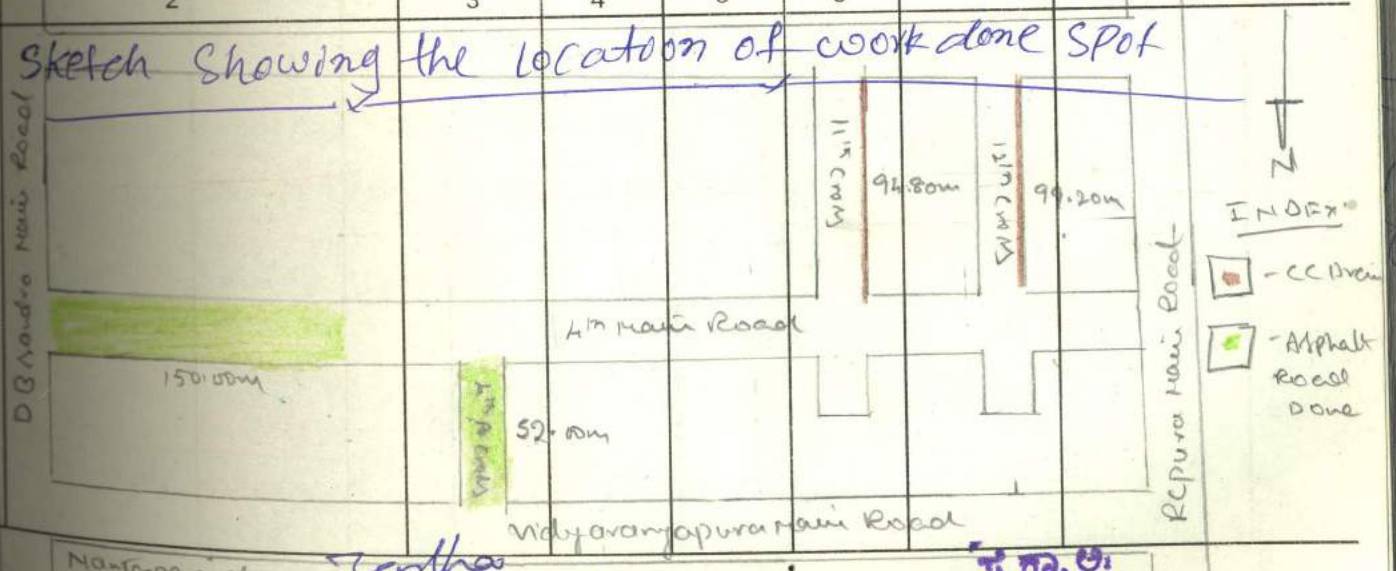
# M. A. R. 57 (Rule 116)
## Measurement Book

259042

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Dimensions: Number | Length | Breadth | Depth | Contents | | Reference to last Measurement |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 |

Sketch Showing the location of work done Spot




Jadhav
AE

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